

## REMARKS

Reconsideration of this application, as amended, is respectfully requested.

Claims 1, 2, 6, 8, 12, 14, 15, 19, 21, 25, 27, 29, 31, 32, and 34-38 are pending. Claims 1, 2, 6, 8, 12, 14, 15, 19, 21, 25, 27, 29, 31, and 32 are allowed. Claim 34 is rejected. Claims 4, 17, and 35-38 are objected to.

Claims 34-37 have been amended. Claims 4 and 17 have been canceled. No claims have been added. Support for the amendments is found in the specification, the drawings, and in the claims as originally filed. Applicants submit that the amendments do not add new matter.

Applicants reserve all rights with respect to the applicability of the Doctrine of Equivalents.

## **CLAIM OBJECTIONS**

Claims 35-38 are objected to because of informalities. In reference to claim 35, the claim comprises the variables " $C_b$ " and " $c_b$ " within the equations of " $G=$ " and " $B=$ " (see last 6 lines of the claim). Applicant respectfully submits that claim 35 has been amended to submit a new expression for " $G=$ " that has changed  $cb$  to  $Cb$ . Accordingly, Applicant respectfully requests withdrawal of the objection of claim 35.

In reference to claim 36, the claim comprises the variables " $a$ " and " $d$ " within the formula of the claim which are not clearly defined by the claim and no value or range of values are specifically set thereto. As pointed out in the Applicant's specification relative to " $M$ " and " $(o)$ " on page 42, the terms " $(a)$ " and " $(d)$ " of  $R(a)G(a)B(a)$  and  $R(d)G(d)B(d)$  are simply a part of the variable name and indicate the analog data and the digital data, the " $(a)$ " as the analog data, and " $(d)$ " as the quantized digital data. See, for example, Applicant's Specification, page 34.

Applicant has amended claim 36 to indicate a range for the variables R(a)G(a)B(a). Applicant also respectfully notes that R(d)G(d)B(d) are defined using the expressions “R(d)=”, “G(d)=”, and “B(d)=”. Accordingly, Applicant respectfully requests withdrawal of the objection of claim 36.

In reference to claim 37, the claim comprises the variables “o”, “D”, “X<sub>M</sub>” and “Y<sub>M</sub>” within the formula of the claim which are not clearly defined by the claim and no value or range of values are specifically set thereto. As pointed out in the Applicant’s specification, the term “(o)” of R(o), G(o), B(o), Y(o), Cb(o), and Cr(o) is additionally provided to distinguish from the variable names for general R, G, B, Y, Cb, and Cr used in other converting formulas described above, in order for conversion data in this case according to the present invention to indicate “original color being based on the brightness and the color difference”. Thus, “(o)” is simply a part of a variable name. Applicant respectfully submits that claim 37 has been amended to indicate that X<sub>M</sub>, Y<sub>M</sub>, and D are all integers and the relationship between the three variables. Accordingly, Applicant respectfully requests withdrawal of the objection of claim 37.

In reference to claim 38, the claim comprises the variable “o” within the formula of the claim which is not clearly defined by the claim and no value or range of values is specifically set thereto. As described above with respect to claim 37. The term “(o)” is simply a part of a variable name. Accordingly, Applicant respectfully requests withdrawal of the objection of claim 38.

### **REJECTIONS UNDER 35 U.S.C. § 101**

Claim 34 stands rejected under 35 U.S.C. § 101 because the claimed invention is directed to non-statutory subject matter. Applicant respectfully submits that claim 34 has been amended

to clarify pre-existing claim limitations, as suggested by the Office action. In particular, claim 34 has been amended to recite “An article of manufacture having one or more computer-readable medium embodied with program code to cause a computer to perform a method ...”

Accordingly, Applicant respectfully requests withdrawal of the rejection of claim 34 under 35 U.S.C. §101.

### **ALLOWABLE SUBJECT MATTER**

Applicants note with appreciation the Examiner’s allowance of the claims 1, 2, 6, 8, 12, 14, 15, 19, 21, 25, 27, 29, 31, and 32. Applicant respectfully submits that claims 35-38 have been amended to overcome the informalities, and as such, are now in condition for allowance. Applicant respectfully submits that claims 4 and 17 have been canceled, and respectfully request the withdrawal of the objections of claims 4 and 17. Applicant respectfully submits that claims 1, 2, 6, 8, 12, 14, 15, 19, 21, 25, 27, 29, 31, 32, and 34-38 are all now in condition for allowance and such action is earnestly solicited.

### CONCLUSION


It is respectfully submitted that in view of the amendments and arguments set forth herein, the applicable rejections and objections have been overcome. If the Examiner believes a telephone conference would expedite or assist in the allowance of the present application, the Examiner is invited to call the undersigned attorney at (408) 720-8300.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

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